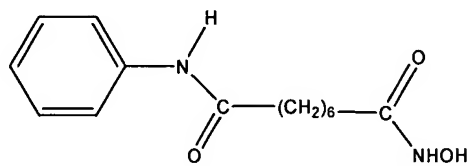


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of treating mesothelioma in a subject, said method comprising the step of administering to the subject an effective amount of a pharmaceutical composition comprising suberoylanilide hydroxamic acid (SAHA), represented by the structure:



~~a hydroxamic acid derivative histone deacetylase (HDAC) inhibitor,~~ or a pharmaceutically acceptable salt or hydrate thereof, and a pharmaceutically acceptable carrier or diluent, ~~wherein the~~ in an amount of ~~histone deacetylase inhibitor~~ is effective to treat mesothelioma in said subject.

2-7. (Canceled)

8. (Original) The method of claim 1, wherein the pharmaceutical composition is administered orally.

9. (Original) The method of claim 8, wherein said composition is contained within a gelatin capsule.

10. (Original) The method of claim 9, wherein said carrier or diluent is microcrystalline cellulose.

11. (Original) The method of claim 10, further comprising sodium croscarmellose as a disintegrating agent.

12. (Original) The method of claim 11, further comprising magnesium stearate as a lubricant.

13. (Original) The method of claim 8, wherein said composition is administered to the subject at a total daily dosage of between about 25-4000 mg/m².

14. (Original) The method of claim 8, wherein said composition is administered once-daily, twice-daily or three times-daily.

15. (Original) The method of claim 14, wherein said composition is administered once daily at a dose of about 200-600 mg.

16. (Original) The method of claim 14, wherein said composition is administered twice daily at a dose of about 200-400 mg.

17. (Original) The method of claim 14, wherein said composition is administered twice daily at a dose of about 200-400 mg intermittently.

18. (Original) The method of claim 17, wherein said composition is administered three to five days per week.

19. (Original) The method of claim 17, wherein said composition is administered three days a week.

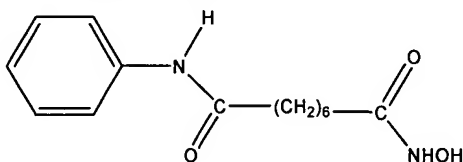
20. (Original) The method of claim 19, wherein said composition is administered at a dose of about 200 mg.

21. (Original) The method of claim 19, wherein said composition is administered at a dose of about 300 mg.

22. (Original) The method of claim 19, wherein said composition is administered at a dose of about 400 mg.

23. (Original) The method of claim 8, wherein said composition is administered three times-daily.

24. (Currently Amended) A method of treating mesothelioma in a subject, said method comprising the step of administering orally to the subject an effective amount of a pharmaceutical composition comprising suberoylanilide hydroxamic acid (SAHA) or a pharmaceutically acceptable salt or hydrate thereof, represented by the structure:



and a pharmaceutically acceptable carrier or diluent, wherein the amount of SAHA is effective to treat mesothelioma in said subject.

25. (Canceled)

26. (Currently Amended) The method of claim 24 25, wherein said composition is contained within a gelatin capsule.

27. (Original) The method of claim 26, wherein said carrier or diluent is microcrystalline cellulose.

28. (Original) The method of claim 27, further comprising sodium croscarmellose as a disintegrating agent.

29. (Original) The method of claim 28, further comprising magnesium stearate as a lubricant.

30. (Currently Amended) The method of claim 24 ~~25~~, wherein said composition is administered to the subject at a total daily dosage of between about 25-4000 mg/m².

31. (Currently Amended) The method of claim 24 ~~25~~, wherein said composition is administered once-daily, twice-daily or three times-daily.

32. (Original) The method of claim 31, wherein said composition is administered once daily at a dose of about 200-600 mg.

33. (Original) The method of claim 31, wherein said composition is administered twice daily at a dose of about 200-400 mg.

34. (Original) The method of claim 31, wherein said composition is administered twice daily at a dose of about 200-400 mg intermittently.

35. (Original) The method of claim 34, wherein said composition is administered three to five days per week.

36. (Original) The method of claim 34, wherein said composition is administered three days a week.

37. (Original) The method of claim 36, wherein said composition is administered at a dose of about 200 mg.

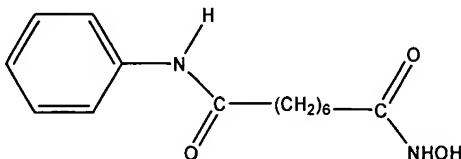
38. (Original) The method of claim 36, wherein said composition is administered at a dose of about 300 mg.

39. (Original) The method of claim 36, wherein said composition is administered at a dose of about 400 mg.

40. (Currently Amended) The method of claim 24 ~~25~~, wherein said composition is administered three times-daily.

41-45. (canceled)

46. (Original) A method of treating mesothelioma in a subject, said method comprises the step of administering to the subject a total daily dose of up to about 800 mg of a pharmaceutical composition comprising suberoylanilide hydroxamic acid (SAHA) or a pharmaceutically acceptable salt or hydrate thereof, represented by the structure:



and a pharmaceutically acceptable carrier or diluent, wherein the mesothelioma in said subject is treated.

47. (Original) The method of claim 46, wherein the pharmaceutical composition is administered orally.

48. (Original) The method of claim 47, wherein said composition is contained within a gelatin capsule.

49. (Original) The method of claim 48, wherein said carrier or diluent is microcrystalline cellulose.

50. (Original) The method of claim 49, further comprising sodium croscarmellose as a disintegrating agent.

51. (Original) The method of claim 50, further comprising magnesium stearate as a lubricant.

52. (Original) The method of claim 47, wherein said composition is administered once-daily, twice-daily or three times-daily.

53. (Original) The method of claim 52, wherein said composition is administered once daily at a dose of about 200-600 mg.

54. (Original) The method of claim 52, wherein said composition is administered twice daily at a dose of about 200-400 mg.

55. (Original) The method of claim 52, wherein said composition is administered twice daily at a dose of about 200-400 mg intermittently.

56. (Original) The method of claim 55, wherein said composition is administered three to five days per week.

57. (Original) The method of claim 55, wherein said composition is administered three days a week.

58. (Original) The method of claim 57, wherein said composition is administered at a dose of about 200 mg.

59. (Original) The method of claim 57, wherein said composition is administered at a dose of about 300 mg.

60. (Original) The method of claim 57, wherein said composition is administered at a dose of about 400 mg.

61. (Original) The method of claim 47, wherein said composition is administered three times-daily.

62. (Previously presented) The method of claim 33, wherein said composition is administered at a dose of about 200 mg.

63. (Previously presented) The method of claim 33, wherein said composition is administered at a dose of about 300 mg.

64. (Previously presented) The method of claim 33, wherein said composition is administered at a dose of about 400 mg.

65. (Previously presented) The method of claim 34, wherein said composition is administered at a dose of about 200 mg.

66. (Previously presented) The method of claim 34, wherein said composition is administered at a dose of about 300 mg.

67. (Previously presented) The method of claim 34, wherein said composition is administered at a dose of about 400 mg.